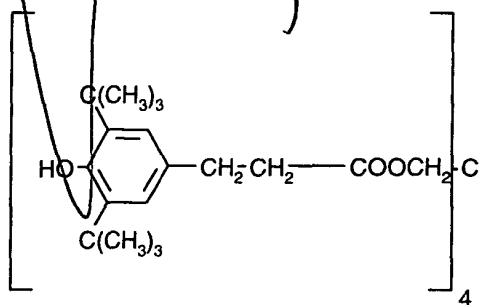


WHAT IS CLAIMED IS:

1. Low-dust granules of plastics additives, comprising
 - a) a phenolic antioxidant, an organic phosphite or phosphonite, a phosphonate, a sterically hindered amine or a UV absorber, individually, or a mixture of these compounds, and
 - b) at least one epoxy compound which is solid at room temperature.
2. Granules according to claim 1, which comprise a polyfunctional epoxide as component b).
3. Granules according to claim 1, which comprise 10-90% by weight of an epoxy compound.
4. Granules according to claim 1, which have a particle size distribution of between 1 mm and 6 mm as defined in accordance with ISO 3435.
5. Granules according to claim 1, which have a loose bulk density of greater than 500 g/l.
6. Granules according to claim 1, which have a free flow in accordance with DIN 53492 of less than 15 s (tR15).
7. Granules according to claim 1, which have a fine fraction as determined by the Heubach test of not more than 0.1% by weight.
8. Granules according to claim 1, which comprise further plastics additives from the group of the hydrotalcites, metal oxides, metal carbonates, metal soaps, antistats, antiblocking agents, flame retardants, thioesters, internal and external lubricants, processing aids and pigments.
9. Granules according to claim 1, which consist of 30-80% by weight of epoxy compound, 5-25% by weight of an antioxidant of the sterically hindered phenol type, 5-25% by weight of a phosphite or phosphonite, 10-40% by weight of CaO and 1-5% by weight of calcium stearate.
10. Granules according to claim 1, which consist of 50-80% by weight of epoxy compound and of 50-20% by weight of a phosphonate.

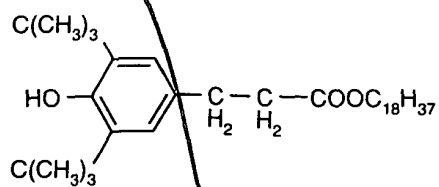
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11. Granules according to claim 1, which comprise as phenolic antioxidant 3,5,3',5'-tetra-tert-butyl-4,4'-dihydroxydibenzyl ether, octadecyl 4-hydroxy-3,5-dimethylbenzylmercaptoacetate, tris(3,5-di-tert-butyl-4-hydroxybenzyl)-amine, bis(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl) dithioterephthalate, bis(3,5-di-tert-butyl-4-hydroxybenzyl) sulfide, isooctyl 3,5-di-tert-butyl-4-hydroxybenzylmercaptoacetate, 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)-2,4,6-trimethylbenzene, 1,4-bis(3,5-di-tert-butyl-4-hydroxybenzyl)-2,3,5,6-tetramethylbenzene, 2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)phenol; 2,4-bisooctylmercapto-6-(3,5-di-tert-butyl-4-hydroxyanilino)-1,3,5-triazine, 2-octylmercapto-4,6-bis(3,5-di-tert-butyl-4-hydroxyanilino)-1,3,5-triazine, 2-octylmercapto-4,6-bis(3,5-di-tert-butyl-4-hydroxyphenoxy)-1,3,5-triazine, 2,4,6-tris(3,5-di-tert-butyl-4-hydroxyphenoxy)-1,2,3-triazine, 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl) isocyanurate, 1,3,5-tris(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl) isocyanurate, 2,4,6-tris(3,5-di-tert-butyl-4-hydroxyphenylethyl)-1,3,5-triazine, 1,3,5-tris(3,5-di-tert-butyl-4-hydroxyphenylpropionyl)hexahydro-1,3,5-triazine, 1,3,5-tris(3,5-dicyclohexyl-4-hydroxybenzyl) isocyanurate; 4-hydroxylauranilide, 4-hydroxystearanilide, octyl N-(3,5-di-tert-butyl-4-hydroxyphenyl)carbamate; or an ester of β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid with methanol, ethanol, octanol, octadecanol, 1,6-hexanediol, 1,9-nonanediol, ethylene glycol, 1,2-propanediol, neopentyl glycol, thiodiethylene glycol, diethylene glycol, triethylene glycol, pentaerythritol, tris(hydroxyethyl) isocyanurate, N,N'-bis(hydroxyethyl)oxalamide, 3-thiaundecanol, 3-thiapentadecanol, trimethylhexanediol, trimethylolpropane, 4-hydroxymethyl-1-phospho-2,6,7-trioxabicyclo[2.2.2]octane or

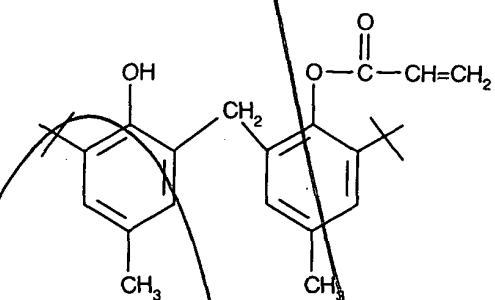


β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionic ester of pentaerythritol

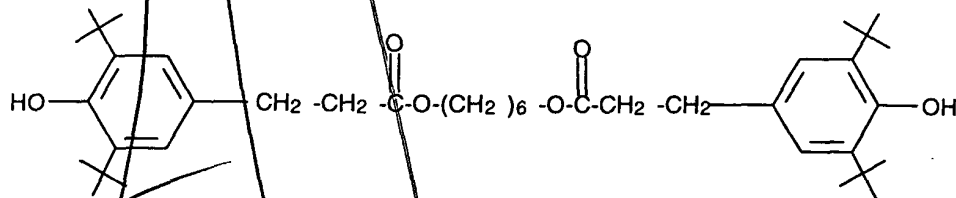
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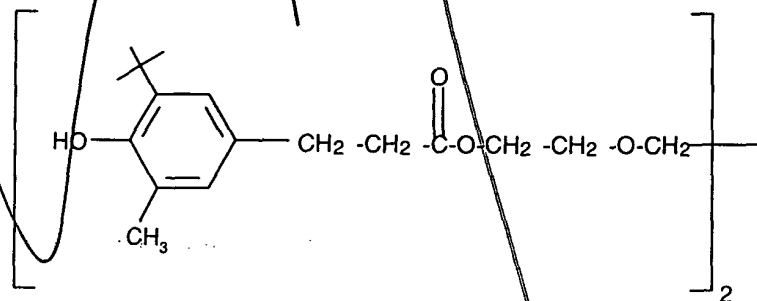
octadecyl β-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate



2-(1,1-dimethylethyl)-6-[[3-(1,1-dimethylethyl)-2-hydroxy-5-methylphenyl]methyl]-4-methylphenyl 2-propenoate;

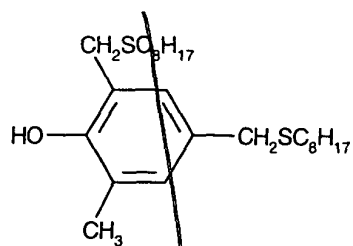


1,6-hexanediyl 3,5-bis(1,1-dimethylethyl)-4-hydroxyphenylpropanoate;

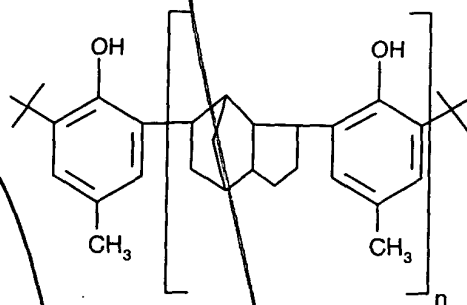


1,2-ethanediylbis(oxy-2,1-ethanediyl) 3-(1,1-dimethylethyl)-4-hydroxy-5-methylphenylpropanoate;

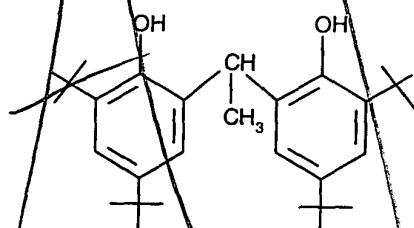
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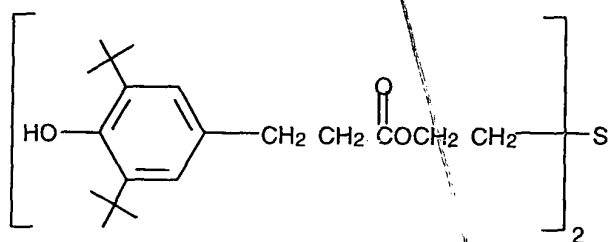
{2-methyl-4,6-bis[(octylthio)methyl]phenol};



butylated reaction product of para-cresol and dicyclopentadiene (average molecular weight 600-700)

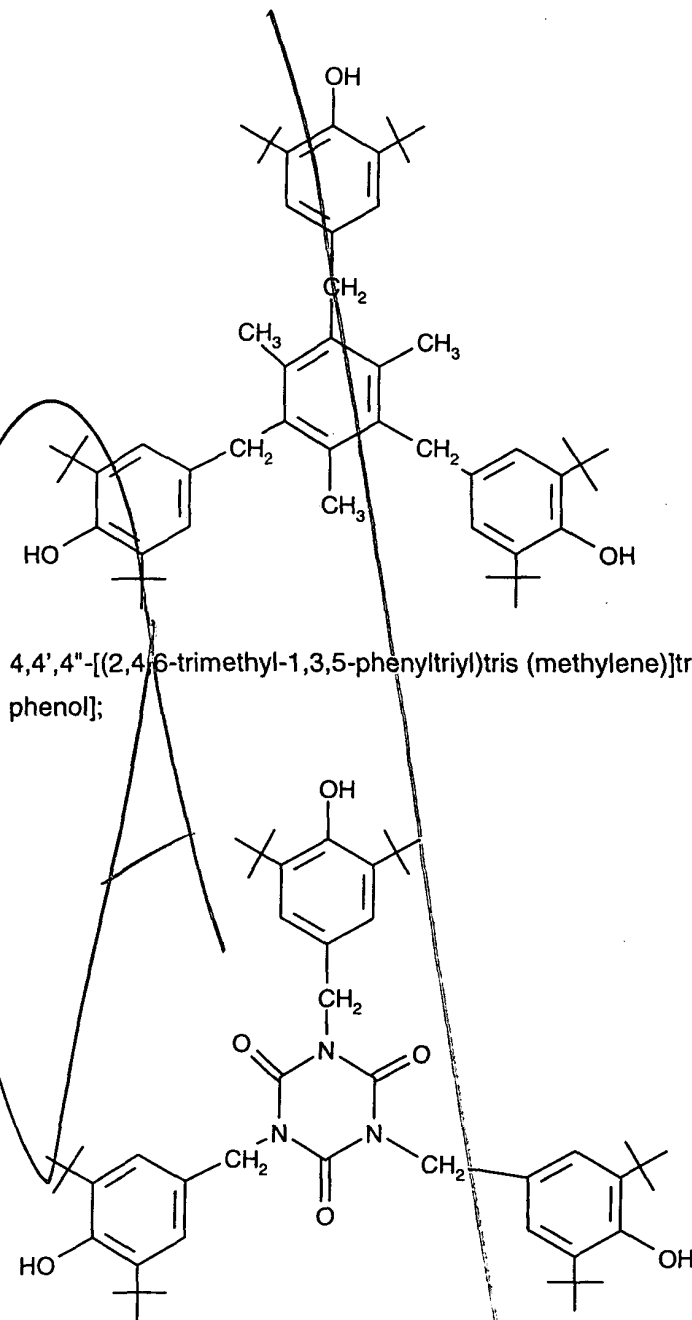


2,2'-ethylidene-bis-(4,6-di-tert-butylphenol);



thiodi-2,1-ethanediyl 3,5-bis(1,1-dimethylethyl)-4-hydroxyphenylpropanoate;

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4,4',4''-[(2,4,6-trimethyl-1,3,5-phenyltriyl)tris(methylene)]tris[2,6-bis(1,1-dimethylethyl)-phenol];

1,3,5-tris[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione.

12. Granules according to claim 1, which comprise as phosphonate dimethyl 2,5-di-tert-butyl-4-hydroxybenzyl-phosphonate, diethyl 3,5-di-tert-butyl-4-hydroxybenzylphosphonate, dioctadecyl 3,5-di-tert-butyl-4-hydroxybenzylphosphonate, dioctadecyl-5-tert-butyl-4-hydroxy-

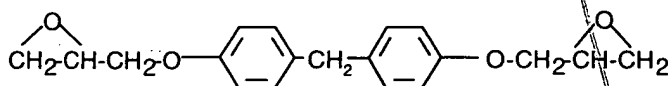
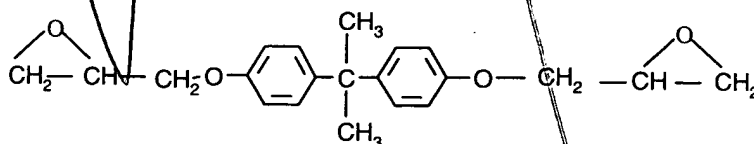
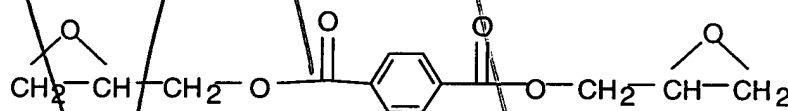
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3-methylbenzyl-phosphonate and the calcium salt of 3,5-di-tert-butyl-4-hydroxybenzylphosphonic acid monoethyl ester.

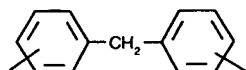
13. Granules according to claim 1, which comprise as phosphites or phosphonites triphenyl phosphite, diphenyl alkyl phosphites, phenyl dialkyl phosphites, tris(diphenylalkylphosphito)amines, tris(nonylphenyl) phosphite, trilauryl phosphite, trioctadecyl phosphite, distearyl pentaerythrityl diphosphite, tris(2,4-di-tert-butylphenyl) phosphite, bis(2,4-di-tert-butylphenyl) pentaerythrityl diphosphite, tristearyl sorbitol triphosphite, tetrakis(2,4-di-tert-butylphenyl) 4,4'-biphenylenediphosphonite, 3,9-bis(2,4-di-tert-butyl-4-methylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-tris(2,4,6-tris-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane, 2,4,6-tris-tert-butylphenyl 2-butyl-2-ethyl-1,3-propanediyl phosphite and 2,2'-ethylidenebis(4,6-di-tert-butylphenyl) fluorophosphite.

14. Granules according to claim 1, which comprise as additional additive an oxide of metals of the second main group or sub group.

15. Granules according to claim 1, which comprise as epoxy compound an epoxide selected from the group consisting of

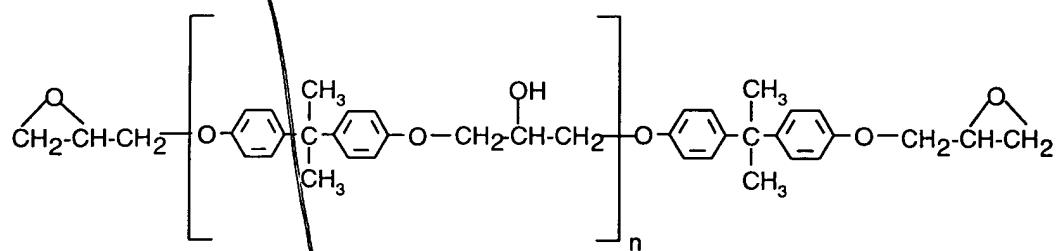


or

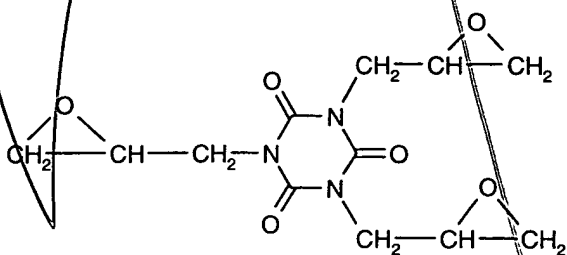
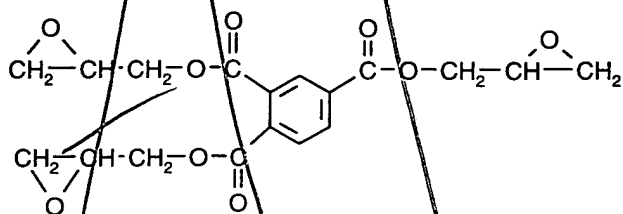
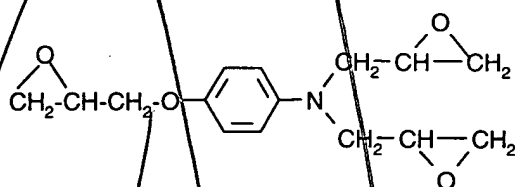


bisphenol F

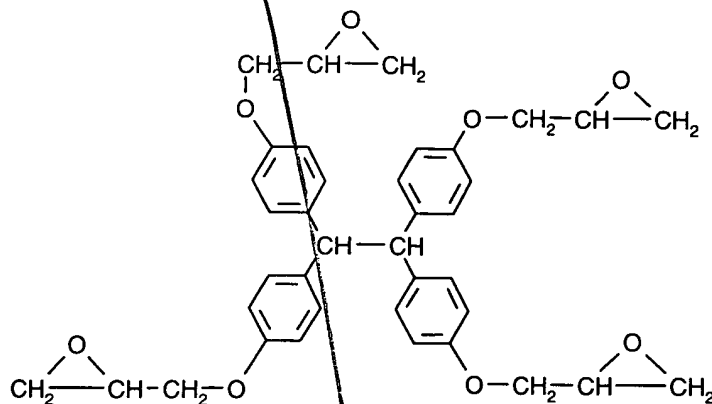
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n = 1-10



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16. A process for preparing plastics additive granules, which comprises heating
a) a phenolic antioxidant, an organic phosphite or phosphonite, a phosphonate, a sterically hindered amine or a UV absorber, individually, or a mixture of these compounds, and
b) at least one polyfunctional epoxy compound which is solid at room temperature to an extent such that at least 80% by weight of the epoxy compound has melted, pressing the melt through a plate provided with dies or perforations, the die or perforation diameter being between 1 and 10 mm, and chopping the resulting strands in the plastic state to form granules.
17. A process according to claim 16, wherein the temperature before the outlet die (at the die head) is between 60-160° C.
18. Granules obtainable by a process according to claim 16.
19. The use of granules according to claim 1 for stabilizing organic polymers.
20. An organic polymer comprising granules according to claim 1.

Add
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